MA2SD24

Silicon epitaxial planar type

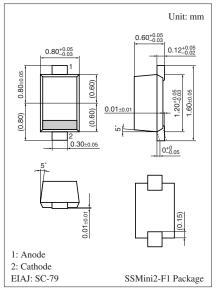
For super high speed switching

Features

- Forward current (Average) $I_{F(AV)} = 200$ mA rectification is possible
- Small reverse current I_R

The solute maximum matings $T_a = 25$ C						
Parameter	Symbol	Rating	Unit			
Reverse voltage	V _R	20	V			
Repetitive peak reverse voltage	V _{RRM}	20	V			
Peak forward current	I _{FM}	300	mA			
Forward current (Average)	I _{F(AV)}	200	mA			
Non-repetitive peak forward surge current *	I _{FSM}	1	А			
Junction temperature	Tj	125	°C			
Storage temperature	T _{stg}	-55 to +125	°C			

Absolute Maximum Ratings $T_a = 25^{\circ}C$



Marking Symbol: 5L

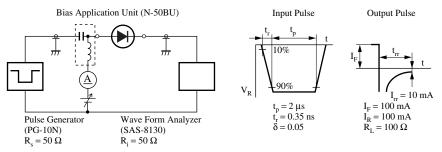
Note) *: The peak-to-peak value in one cycle of 50 Hz sine wave (non-repetitive)

Electrical Characteristics $T_a = 25^{\circ}C \pm 3^{\circ}C$

Parameter	Symbol	Conditions	Min	Тур	Max	Unit
Forward voltage	V _F	$I_F = 200 \text{ mA}$		0.50	0.58	V
Reverse current	I _R	$V_R = 10 V$		0.1	1.0	μΑ
Terminal capacitance	Ct	$V_R = 0 V, f = 1 MHz$		25		pF
Reverse recovery time *	t _{rr}	$I_F = I_R = 100 \text{ mA}$		3		ns
		$I_{rr} = 10 \text{ mA}, R_L = 100 \Omega$				

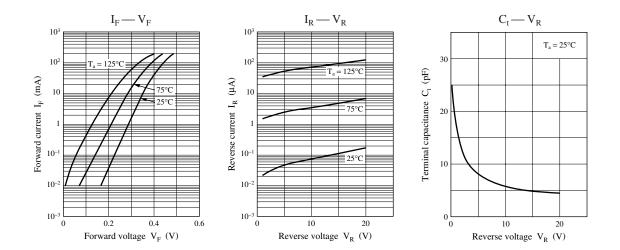
Note) 1. Measuring methods are based on JAPANESE INDUSTRIAL STANDARD JIS C 7031 measuring methods for diodes.

- 2. This product is sensitive to electric shock (static electricity, etc.). Due attention must be paid on the charge of a human body and the leakage of current from the operating equipment.
- 3. Absolute frequency of input and output is 250 MHz.
- 4. *: t_{rr} measurement circuit



MA2SD24

Panasonic



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